Curriculum Vitae (CV)

Prof. Huseyin Ozan TEKIN

1. Name and Surname : Huseyin Ozan Tekin
2. Date of Birth : 2nd, January 1987
3. Nationality : Turkish
4. Title : Professor Dr. (Full Professor**)**
5. Employer : University of Sharjah, United Arab Emirates (https://www.sharjah.ac.ae)
6. E-mail: : htekin@sharjah.ac.ae & tekin765@gmail.com

https://www.researchgate.net/profile/Huseyin_Ozan_Tekin

https://scholar.google.com.tr/citations?user=IygRDNQAAAAJ&hl=tr

https://www.scopus.com/authid/detail.uri?authorId=56971130700

https://orcid.org/0000-0002-0997-3488

Education	Field	University	Year
BSc.	Physics	Suleyman Demirel University, **TR**	***2009***
MSc.	Nuclear Physics	Suleyman Demirel University, **TR**	***2011***
PhD.	Nuclear Physics	Suleyman Demirel University, **TR**	***2014***

Honorary Adjunct Professorships

7. Academic Titles

5.1. Lecturer : 20 / 06 / 2009 - 05 / 01 / 2015 (SDU- sdu.edu.tr / IAU- aydin.edu.tr)- **Turkey**
5.2. Assist. Prof. Dr.: 05/01/2015 - 13 / 06 / 2018 (Uskudar University- uskudar.edu.tr) - **Turkey**
5.3. Assoc. Prof. Dr.: 13 /06/2018 - 19 / 01 / 2020 (Uskudar University- uskudar.edu.tr) - **Turkey**
5.4. Assoc. Prof. Dr.: 19 /01/2020 – 14/06/2023 (University of Sharjah-www.sharjah.ac.ae) – **UAE**
5.5. Professor (Full) : 14/06/2023 – Present (University of Sharjah-www.sharjah.ac.ae) – **UAE**

8. Administrative Experiences

6.1. University of Sharjah, United Arab Emirates – College of Health Sciences
Assistant Dean for Scientific and Graduate Studies (September 2021 – **Present**)

6.2. Uskudar University College of Health Services / Dean (January 2019- January 2020)

6.3. Uskudar University College of Health Services / Vice Dean (March 2015 – January 2019)

6.4. Uskudar University Medical Radiation Research and Application Center (USMERA) / Founder & Head. (April 2015-January 2020)

6.5. Uskudar University Medical Radiation Research and Application Center (USMERA) / Founder & Head (April 2015-January 2020)

6.6. Istanbul Aydin University - College of Health Services / Vice Dean
(May 2013- January 2015)

9. Awards & Recognitions

- **Prof. Dr. Şevket ERK Young Scientist Award** - "*Turkish Physical Society* (TPS)" - 2018
  Link: http://www.tfd.com.tr/Urunlerimiz/30/Prof--Dr--Sevket-ERK-Genc-Bilim-Insani-Odulu.html

- Announced as one of the **"Most influencer scientists"** by **Stanford University, USA** - "**Published**: 08-10-2020 | Version 2 | doi: 10.17632/btchxktzyw.2 Published by: Jeroen Baas, Kevin Boyack, John Ioannidis."
  Link: https://elsevier.d*igit*alcommonsdata.com/datasets/btchxktzyw/2

- Announced as **Top 2%** scientist in standardized citation indicators. "***Published***: 19 October 2021 | Version 3 | DOI: 10.17632/btchxktzyw.3 Contributors: Jeroen Baas, Kevin Boyack, John P.A. Ioannidis". Link: https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3

- Announced as **Top 2%** scientist in standardized Career indicators. "***Published***: 19 October 2021 | Version 3 | DOI: 10.17632/btchxktzyw.3 Contributors: Jeroen Baas, Kevin Boyack, John P.A. Ioannidis". Link: https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3

- Recognized as **World Top 100 Scientists in United Arab Emirates** 2022 – AD Scientific Index

  https://www.adscientificindex.com/top-100-scientist/?country_code=ae

  As 2022: #42th (out of 1801 scientist) in United Arab Emirates (**2% Top Scientist**)

- Ranked as 10th in United Arab Emirates as Top Materials Science Scientists as well as 7978th in the world ranking contains h-index, publications and citations values collected on December 6th, 2021– Source: Research.com
  Link: https://research.com/scientists-rankings/materials-science/ae

- University of Sharjah, Outstanding Researcher Award **(1st place)**. Prize 25,000 AED.
  May 18th, 2022. Under the Patronage and in the Presence of ***His Highness Sheikh Sultan bin Ahmed Al Qasimi***, Deputy Ruler of Sharjah, and President of the University of Sharjah. University of Sharjah, Sharjah, UAE.

- University of Sharjah, Special Scientific Recognition Award for being ranked in **Top 2%** scientist in standardized Career indicators, **Top 2%** scientist in Authors Single Year-2020, and World Top 50 Scientist in UAE. Under the Patronage and in the Presence of ***His Highness Sheikh Sultan bin Ahmed Al Qasimi***, Deputy Ruler of Sharjah, and President of the University of Sharjah. May 30th, 2022. University of Sharjah, Sharjah, UAE.

- **Prof. Dr. Engin ARIK Scientist Award** - "*Turkish Physical Society* (TPS)" - 2022
  Link: https://www.tfd38.org/Program.aspx?Lang=EN

- Announced as **Top 2%** scientist in standardized citation indicators. "***Published***: 10 October 2022 | Version 4 | DOI: 10.17632/btchxktzyw.4. Ioannidis, John P.A. (2022), "September 2022 data-update for "Updated science-wide author databases of standardized citation indicators"", Mendeley Data, V4, doi: 10.17632/btchxktzyw.4
  Link: https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3

- Announced as **Top 2%** scientist in standardized Career indicators. "***Published***: 10 October 2022 | Version 4 | DOI: 10.17632/btchxktzyw.4. Ioannidis, John P.A. (2022), "September 2022 data-

update for "Updated science-wide author databases of standardized citation indicators"", Mendeley Data, V4, doi: 10.17632/btchxktzyw.4 Link: https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3

- Ranking of the Rising Stars of Science-Research.com. Ranked 2nd in United Arab Emirates and 489 in the World. Recognized with the 2022 Rising Star of Science Award. Link: https://research.com/scientists-rankings/rising-stars/ae

- Best Materials Science Scientists in United Arab Emirates. Source: Reseach.com. Huseyin Ozan Tekin is ranked #7 in United Arab Emirates among Best Scientists for 2023 https://research.com/scientists-rankings/materials-science/ae

- Announced as **Top 2%** scientist in standardized citation indicators. "*Published*: 4 October 2023 | Version 4 | DOI: 10.17632/btchxktzyw.6. Ioannidis, John P.A. (2023), "October 2023 data-update for "Updated science-wide author databases of standardized citation indicators", Mendeley Data, V6, doi: 10.17632/btchxktzyw.4 Link: https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6

- Announced as **Top 2%** scientist in standardized Career indicators. "Published: 4 October 2023 | Version 4 | DOI: 10.17632/btchxktzyw.6. Ioannidis, John P.A. (2023), "October 2023 data-update for "Updated science-wide author databases of standardized citation indicators" , Mendeley Data, V6, doi: 10.17632/btchxktzyw.4 Link: https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6

- Announced as **Top 2%** scientist in standardized Career indicators. "Published: 16 September 2024 | Version 7 | DOI: 10.17632/btchxktzyw.7. Ioannidis, John P.A. (2024), "August 2024 data-update for "Updated science-wide author databases of standardized citation indicators"", Elsevier Data Repository, V7, doi: 10.17632/btchxktzyw.7

- Announced as **Top 2%** scientist in standardized Citation indicators. "Published: 16 September 2024 | Version 7 | DOI: 10.17632/btchxktzyw.7. Ioannidis, John P.A. (2024), "August 2024 data-update for "Updated science-wide author databases of standardized citation indicators"", Elsevier Data Repository, V7, doi: 10.17632/btchxktzyw.7

10. Professional Titles

- International Society of Radiographers & Radiological Technologists **(ISRRT)** European Regional Director (2018-Present)
- Turkish Medical Radiotechnology Association (TMRT-DER) Chairman of Science and Education Council (2015-Present)
- T.R. Ministry of Health SKS Department Radiology. Trainer of Quality Standards
- Associate Member of World Radiology Technologists and Radiotechnologists Association (International Society of Radiographers and Radiological Technologist - ISRRT)
- T.R. Ministry of Development Turkish Accelerator Center. Development Group Member
- Affidea Radiology - Radiation Protection. Counselor in Radiology Units
- Science Fund of the Republic of Serbia. Official Project Advisor and Peer Reviewer (**http://fondzanauku.gov.rs/**)

11. Scientific Interests

Radiation, Nuclear Physics, Medical Imaging, Computed Tomography (CT), Medical Physics, Radiological Protection, Nanomaterials, Medical Imaging Physics, Radiotherapy, Radiation Protection, Nano-Structure Materials, Digital Imaging.

12. Education

1. Bachelor (BSc.)
Bachelor: Süleyman Demirel University (Physics) 2005-2009 / **TURKEY**
Bachelor: Siauliai University (Physics) (2007-2008) / **LITHUANIA**

2. Master (MSc.)
Master: Süleyman Demirel University (Physics) 2009-2011/ **TURKEY**
Master (Internship): Siauliai University June-September 2010 **LITHUANIA**
Master (Thesis Studies): Helmholtz Zentrum Dresden Rossendorf (HZDR)
Particle Accelerator Center- Dresden / **GERMANY**
Master Thesis Title: Determination and Design of the Parameters for The Bremsstrahlung Photon Beam Dump

3. Ph. D
Ph. D: Süleyman Demirel University (Physics) 2011-2014/ **TURKEY**
Thesis Title: Determining the Detector Parameters for the TARLA Bremsstrahlung Photon Facility
Thesis Studies: Helmholtz Zentrum Dresden Rossendorf (HZDR)Particle Accelerator Center Dresden **/ GERMANY**

13. Languages

1. Turkish (Native Language)
2. English (Advanced)
3. Lithuanian (Intermediate)

14. Projects and Research Group Experiences

1. Turkish Accelerator Center (**DPT-YUUP** Project)
(THM) [http://thm.ankara.edu.tr]
Researcher -Member TARLA (Turkish Accelerator and Radiation Laboratory at ANKARA)
Bremsstrahlung Technical Committee Member (2009 – Present)

2. TUBITAK – Learn the basic sciences, do not afraid of science
Project Manager (Assistant) 2012 Isparta / Turkey

3. Süleyman Demirel University
2012 Science Project Competition 2012 and Spring Festival
Project Manager, Project Name: Smart Glasses (4. Best Project – 1000 TL prize)

4. TUBITAK – Development and Fabrication of Concretes Doped Ultra Intense Mineral Alternative to Radiation Shielding (Government Project)
Role: Head of the Project (2018-Present)
Budget: **72,250 TL**
Project Title: Development and Fabrication of Concretes Doped Ultra Intense Mineral Alternative to Radiation Shielding (Government Project)

5. University of Sharjah - Research Group
Role: Group Member
2019- Present
Research Group name: Biomedical and Molecular Imaging. Sharjah / United Arab Emirates

6. University of Sharjah – Seed Project
Role: Project Leader (Main PI)
2020- 2022

Budget: **40,000 AED**
Project Title: Monte Carlo simulations for development and material optimization of new generation shields for medical and industrial radiation facilities. Sharjah / United Arab Emirates

7. University of Sharjah – Competitive Project
Role: Project Leader (PI)
2022-2024
Budget: **80,000 AED**

Project Title: Evaluation of shielding and beam collimation impacts on radiation dose to critical organs and tissues during frequent radiography examinations using experimental and simulation methods (MCNP code and MIRD phantom)

8. University of Sharjah – Competitive Project
Role: Project Leader (PI)
2023-2024
Budget: **62,000 AED**

Project Title: A critical evaluation on nuclear safety properties of novel heavy metal oxide glass containers for transportation and waste management in Nuclear Medicine hot labs and nuclear power plants

8. CANON® & University of Sharjah – Collaborative Project
Role: Project Leader (PI)
2023-2025
Budget: **400,000 AED**

Project Title: Fabrication and wide-range material characterization of various TMO, AEO and REO reinforced novel B_2O_3-SiO_2-TeO_2 wearable glasses equipment for protection purposes in medical radiation facilities.

15. International Scientific participations as Invited Speaker / Invited Lecturer

1. Turkish Accelerator Center Project - Fotonas Physics Summer School 1-15, August,2010 Siauliai/ **LITHUANIA**
Invited Speaker: Hüseyin Ozan TEKIN

2. Particle Accelerators and Detectors Summer School
Turkish Physical Society -August 2009 Bodrum / **TURKEY**
Invited Speaker: Hüseyin Ozan TEKIN

3. Mini Workshop on Electron-Electron Bremsstrahlung
HZDR (Helmholtz Zentrum Dresden Rossendorf)
Invited Speaker: Hüseyin Ozan TEKIN January 16-20, 2011, Dresden/ **GERMANY**
4. Turkish Accelerator Center – International Machine Adviser Committee Meeting
Invited Speaker: Hüseyin Ozan TEKIN August 2010 Bodrum / **TURKEY**

6. Justification and Authorization of planned Medical Exposures. The radiographer's/RT's involvement and contribution. A project aiming to develop a module through collaboration between ISRRT and Radiography Schools for student radiographers/RTs on how to fulfill their role on the Justification and Authorization of planned medical exposures on the principle of the radiation protection of the patient. **ISRRT**. **Stakeholder:** Assoc. Prof. Dr. Huseyin Ozan TEKIN (2016- …)

7. Application Aspects of Monte Carlo Simulation in Radiotherapy and Radiology
Invited Lecturer: Between 13-17 March 2017 (Totally 8 Hours Lecture by Erasmus+ Staff Mobility)

Medical Physics Department for MSc and PhD. Students.
Kaunas University of Technology (KTU) - **LITHUANIA**

8. Certificate on Radiation Dose Management in Computed Tomography- International Atomic Energy Agency – Certificate 15 April 2017
Lecturer: Assoc. Prof. Dr. Huseyin Ozan Tekin

9. 36th International Physics Congress (TPS-36) – Turkish Physical Society (TPS)
1-5 September 2020, Bodrum Mugla, **TURKEY**
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin
http://tfd36.org/Urunlerimiz/35/Invited-Speakers.html?Lang=EN

10. First Regional Virtual Symposium on Physics Advances 2020 – University of Bahrain 28-29 June 2020, **BAHRAIN**.
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin
An overview to Monte Carlo simulations for radiation transport and nuclear shielding studies in nuclear and medical physics: MCNPX experience

11. PHCSS Radiology Unit Breast Cancer Awareness Webinar -2020. 17-24 October 2020.
Radiology Unit Primary Health Care Services Sector, Dubai Health Authority, Dubai, **UAE**
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin
Importance of radiation shielding in mammography: recent studies and promising approaches.

12. University of Sharjah, World Radiography Day Organization -2020. 21 November 2020.
University of Sharjah, Sharjah, **UNITED ARAB EMIRATES**
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin
A journey from traditional to advanced diagnostic radiology: BIG DATA.

13. Istanbul University, 11th Physics Workshop. 25-26 February 2021.
Istanbul University, Istanbul, **TURKEY**
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin
Computer Based Physics Research and Simulation Methods: Experiences on Nuclear Radiation Attenuation.

14. Shirish Madhukarrao Chaudhari College, Jalgaon 9th February 2021
One Day International Seminar on the occasion of Research Lab Inauguration Ceramony.
Jalgaon, **INDIA**
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin
Monte Carlo Simulations in Radiation and Medical Studies: MCNP Experience

15. Izmir University of Economics, 19th November 2020. Izmir, **TURKEY**
Current Status of Medical Imaging Techniques Programs and International Perspective
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin

16. 5th International Conference on Advances in Natural and Applied Sciences 21-23 September 2021, Ağrı, **TURKEY**.
Principles of Monte Carlo simulations for radiation transport and nuclear shielding studies in nuclear and medical physics: MCNPX experience.
https://icanas.agri.edu.tr/detail.aspx?id=0&bid=2&tid=19&dil=en-US
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin

17. World Congress on Applied Nanotechnology (W-CAN). Atatürk University, Nanoscience and Nanoengineering Application and Research Center between 24-26 November 2021, Erzurum, **TURKEY**. https://w-can.atauni.edu.tr/plenary-speakers/
Using of Monte Carlo simulations for designing of nanoparticle added shielding materials: A closer look on nano-WO_3 and nano-Bi_2O_3 reinforced shielding concretes
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin

18. Connect_College of Science Seminar Series. University of Sharjah, November 21, 2021. University of Sharjah, **UNITED ARAB EMIRATES**.
Radiation Shielding Studies in nanoscale: MCNP Monte Carlo Simulations.
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin

19. International conference (**SORSA2023**) of *Society of Radiographers of South Africa* (**SORSA**).
18-19 August 2023, Century City Conference Centre, Cape Town, **SOUTH AFRICA.**
https://consultus.eventsair.com/sorsa-2023-congress/faculty
Invited Speaker: Assoc. Prof. Dr. Huseyin Ozan Tekin

20. 39th International Physics Congress (**TPS-39**) – Turkish Physical Society (TPS)
August 31 – September 4, 2023, Bodrum/**TURKEY**.
Invited Speaker: Prof. Dr. Huseyin Ozan Tekin
Title: Monte Carlo Simulations in Medical Applications: A game-changer tool.
https://tfd39.org/Kurullar/35/Invited-Speakers.html?Lang=EN

21. International Symposium on Current Advances in Medical Imaging Techniques.
25th August 2023. Dokuz Eylul University, **TURKEY**.
Invited Speaker: Prof. Dr. Huseyin Ozan Tekin
Title: Future of Radiology: A perspective change

22. International Conference and Workshop "Interdisciplinary applications of advanced analytical and control techniques in environment, health and materials science - INTERVENT" October 19th–20 th, 2023 Galati, **ROMANIA**
Invited Speaker: Prof. Dr. Huseyin Ozan Tekin
Title: A focusing study on advanced radiation shielding materials: What do we want? & How do we work?

23. International Conference and Workshop "Interdisciplinary applications of advanced analytical and control techniques in environment, health and materials science - INTERVENT" October 19th–20 th, 2023 Galati, **ROMANIA**
Invited Lecturer: Prof. Dr. Huseyin Ozan Tekin & Prof. dr. habil. Antoaneta Ene
Title: Laboratory applications of gamma rays' attenuation

24. International Conference and Workshop "Interdisciplinary applications of advanced analytical and control techniques in environment, health and materials science - INTERVENT" October 19th–20 th, 2023 Galati, **ROMANIA**
Invited Lecturer: Prof. Dr. Huseyin Ozan Tekin & Prof. dr. habil. Antoaneta Ene
Title: Applications of gamma ray spectrometry using scintillation and semiconductor detectors

25. International Conference and Workshop "Interdisciplinary applications of advanced analytical and control techniques in environment, health and materials science - INTERVENT" October 19th–20 th, 2023 Galati, **ROMANIA**
Invited Lecturer: Prof. Dr. Huseyin Ozan Tekin & Prof. dr. habil. Antoaneta Ene
Title: Measurement of radon and thoron in indoor environments and population dose evaluation

25. 9th Physics Students Congress and Festival by the Turkish Physical Society, September 2nd to September 5th, 2024. Bodrum, **TURKEY**

Scientific Trainer - Educator: Prof. Dr. Huseyin Ozan Tekin
Title: Workshop on Modeling and Simulation in Radiation Applications: Fundamentals and Basic Applications of Monte Carlo Simulation Code in Radiation Applications
https://tfd9ogrenci.org/Sayfalar/57/Educators.html?Lang=EN

Day 1 – Monte Carlo Simulation – Theoretical Foundations / Principles / Codes
Day 2 – Application / Basic Design / Basic Radiation Transport / 2D and 3D Visualization

17. Research Activities

1. Various Hydrogen Experiment and Studies
Siauliai University – **LITHUANIA**
Supervisor: Assoc. Prof. Dr. Alfredas LANKAUSKAS (Dean of Natural Sciences)

2. Various Research on LINAC Accelerators
HZDR (Helmholtz Zentrum Dresden Rossendorf)
Dresden- **GERMANY**
Supervisor: Dr. Andreas WAGNER (Head of Nuclear Division)

18. Referee and Editorial Board Membership in International Indexed Journals

1. Journal of Communication and Computer (JCC / ISSN: 1548-7709)

2. International Journal of Nuclear and Radiation Science and Technology (IJNURASAT)

3. The Online Journal of Science and Technology (TOJSAT)

4. Iranian Journal of Medical Physics (IJMP) (Member of Referee Committee) From:2016-Present)
http://ijmp.mums.ac.ir/reviewer?_action=info

5. Progress in Nuclear Energy – Elsevier (2016-Present)

6. Nuclear Science and Techniques – Springer (**2016**- Present)

7. Radiochemica ACTA – De Gruyter (**2018**-Present)

8. Nuclear Engineering and Technology – Elsevier (**2017**-Present)

9. The Journal of Neurobehavioral Sciences (*J Neuro Behav Sci*) – **Co-Editor** (**2019**- Present)
https://www.jnbs.org/page/editorial-board

10. Ceramics – MDPI - Special Issue "Nuclear Radiation Shielding Glasses and Glass-Ceramics."
Guest Editor -Huseyin Ozan Tekin (**2020**)
https://www.mdpi.com/journal/ceramics/special_issues/glasses_glass_ceramics

11. Frontiers in Public Health – Frontiers
Review Editor for Radiation and Heath (**2022**-now)
https://loop.frontiersin.org/people/1024016/overview

12. Frontiers in Nuclear Medicine– Frontiers
Review Editor for Radiation and Heath (**2022**-now)
https://www.frontiersin.org/journals/nuclear-medicine#editorial-board

13. Frontiers in Nuclear Medicine– Frontiers
Associate Editor for Dosimetry and Radiation Safety (**2022**-now)
https://www.frontiersin.org/journals/nuclear-medicine#editorial-board

14. Open Chemistry – De Gruyter
Associate Editor (**2022**-now)
https://www.degruyter.com/journal/key/chem/html#editorial

15. Symmetry-MDPI
Special Issue Editor: "Symmetry in Glass Systems: Nucleation, Mechanics, and Properties" (**2023**)
https://www.mdpi.com/journal/symmetry/special_issues/WH52H91WF3

16. Scientific Reports – **NATURE**
Associate Editor in Radiology Section: https://www.nature.com/srep/about/editors#radiology
(2024-present)

19. Membership of Institutions

1. Turkish Linux Users Association (LKD) ***www.lkd.org.tr***

2. Turkish Medical Radiotechology Association (TMRT-DER) Member of Scientific Advisory Committee (2016-Present) ***www.tmrtder.org.tr***

3. International Society of Radiographers and Radiological Technologists.
Associated Member (2016-Present) ***www.isrrt.org***

4. European Society of Radiology (ESR) ***https://www.myesr.org/***

20. Taking Part in Scientific Activities Such as Congress, Symposium and Workshops

1. 11th National Radiotechnology Congress and Training Seminars 23-26 April 2015 WOW Topkapi Palace Hotel - Kundu / Antalya-TURKEY *(Scientific Committee Member)*

2. Monte Carlo Applications of Nuclear and Particle Physics Summer School, 10-12 May 2013, Bitlis Eren University, Bitlis-TURKEY *(Organizing Committee Member)*

3. International Symposium on Optical and Eye Health 12-14 October 2012, Süleyman Demirel University, Senirkent MYO, Isparta-TURKEY *(Organizing Committee Member)*

4. Computational Methods in Medical Physics Summer School (MEFHEY2013) 24-28 June 2013, Istanbul Aydin University, Istanbul – TURKEY *(Organizing Committee Member)*

5. LUMIDOZ7 – Luminescent Dosimetry Congress 10-12 September 2013 – Isparta TURKEY *(Organising Committee Member)*

6. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2014) 25-29 October 2014. Kemer-Antalya TURKEY *(Organizing Committee Member)*
7. Medical Imaging and Radiation Safety Symposium. 13 April 2014 Istanbul Aydin University, Florya Campus - Istanbul/ TURKEY *(Organizing Committee Member)*

8. Medical imaging and Radiotherapy Days Event. 7 April 2015. Uskudar University. SHMYO Çarşi Campus Uskudar Istanbul/ TURKEY *(Chairman of the Organizing Committee)*

9. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2015) 14-19 October 2015. Kemer-Antalya TURKEY *(Organising Committee Member)*

10. Medical imaging and Radiotherapy Days Event. Medical Radiation - 7 April 2015. Uskudar University SHMYO Çarşi Campus Uskudar Istanbul / TURKEY *(Chairman of the Organising Committee – Trainer)*

11. Monte Carlo Simulation Methods in Medical and Nuclear Applications (MENUS-MC)
1st Level Training. Uskudar University / ÜSMERA 5-6 September 2015. Uskudar / ISTANBUL *(Chairman of the Organizing Committee – Educator)*

12. International Science and Technology Conference "ISTEC". 13-15 July 2016. Vienna / AUSTRIA *(Member of Editorial Board)*

13. Radiation Protection in Diagnostic Radiology and QA/QC TARAD 2015 (19- 20 December 2015) *Chairman of the Organizing Committee)*
14. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2016) 19-24 October 2016. Kemer-Antalya TURKEY *(Organising Committee Member)*

15. Basic Radiotherapy and Radiotherapy Physics Education Workshop (TRRF2016) 23-24 April 2016. Uskudar University Çarşi Campus. Uskudar / Istanbul TURKEY *(Chairman of the Organising Committee)*

16. 12th Radiotechnology Congress and Training Seminars with International Participation of TMRTDER (Turkish Association of Medical Radiotechnology. Papilion Zeugma Hotel Belek Antalya Turkey. April 27-30 2017 (2017.tmrtder.org.tr/en/) *(Member of Scientific Committee)*

17. 12th Radiotechnology Congress and Training Seminars with International Participation of TMRT-DER (Turkish Association of Medical Radiotechnology. Papilion Zeugma Hotel Belek Antalya Turkey. April 27-30 2017 (2017.tmrtder.org.tr/en/)*(Chair of Scientific Publication Committee)*

18. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2016) 4-8 October 2017. Side-Antalya TURKEY (*Organizing Committee Member*)

19. 13th Radiotechnology Congress and Training Seminars with International Participation of TMRT-DER (Turkish Association of Medical Radiotechnology. Kaya Artemis Hotel – Cyprus / Turkey. April 23-26, 2018 (2018.tmrtder.org.tr) *(Chair of Scientific Publication Committee)*

20. 14th Radiotechnology Congress and Training Seminars with International Participation of TMRT-DER (Turkish Association of Medical Radiotechnology. Papilion Zeugma Hotel Belek Antalya Turkey. 21-24 April 2019. Antalya / Turkey *(Chair of Scientific Publication Committee)*

21. Basics of Monte Carlo Method and Nuclear Applications. Istanbul University. Faculty of Science. Department of Physics. 1st of November 2018. Istanbul / Turkey.
22. 4th International Conference on Natural and Applied Science and Engineering (ICNASEN 2022). 4-8 May 2022 Nevsehir, Turkey. (*Scientific Committee Member*). http://www.icnasen.org/scientific-committee/

23. 15th National Summer School of Particle Accelerators and Detectors (UPHDO IV). 5-10 September 2023, Bodrum, Mugla, Turkey (*Scientific Committee Member*). https://uphdyo15.org/Urunlerimiz/28/Bilim-Kurulu.html

24. 39th International Physics Congress of The Turkish Physical Society. 31 August - 04 September 2023, Bodrum / Turkey (*Scientific Committee Member*). https://www.tfd39.org/Kurullar/28/Scientific-Committee.html?Lang=EN

25. 18th Radiotechnology Congress and Training Seminars of TMRT-DER (Turkish Association of Medical Radiotechnology. Pine Beach Hotel Belek Antalya Turkey. 12-16 May 2024. Antalya / Turkey *(Chair of Scientific Publication Committee).* https://www.tmrtder.org.tr/2024/#committees

26. 40th International Physics Congress of The Turkish Physical Society. 2-6 September 2024, Bodrum/Turkey (*Scientific Committee Member*). https://www.tfd40.org/Kurullar/28/Scientific-Committee.html?Lang=EN

21. Participation as invited speaker or panelist in conference, seminar, open interview session

1. Geant4 Physics Simulation Software. Free Software and Linux Days, 2013, 5-6 April2013, Istanbul BilgiUniversity Santral Campus Istanbul TURKEY

2. Geant4 Simulation Programs and Applications. Computational Methods in Medical Physics Summer School (MEFHEY2013) 24-28 June 2013, Istanbul Aydin University, Istanbul – TURKEY

3. The term of Ethic – Istanbul SILMO Education Fair. 26-29 December 2013. CNR Expo Center Istanbul / TURKEY

4. Effects of Radiation on Human Body and Protection Ways – Büyükçekmece Municipality World Health Day Activities. 12 April 2015. Büyükçekmece Belediyesi Atatürk Kültür Merkezi Suna Pekuysal Salonu. Istanbul / TURKEY

5. Principles of Monte Carlo Simulation– Introduction to MCNP Code, Monte Carlo Simulation Techniques in Medical and Nuclear Applications (MENUS-MC). 1st Level Training. Uskudar University / ÜSMERA 5-6 September 2015. Uskudar / ISTANBUL / TURKEY

6. Nuclear Structure and Basic Interactions - Basic Radiotherapy and Radiotherapy Physics Education Workshop (TRRF2016) 23-24 April 2016. Uskudar University Çarşi Campus. Uskudar / TURKEY

7. Term of Medical Radiation and Sources – 4 th Bioengineering and Genetics Days. T.C. Uskudar University 6th of May 2016. Istanbul TURKEY

8. Radiation Safety and Quality Standarts. Turkish Republic, Ministry of Health, 1st Health Quality Audit Education Program. Trainer: Assist. Prof. Dr. Huseyin Ozan Tekin. 10-15 October 2016, Hilton Inn Hotel. Ankara / TURKEY

9. Turkish Society of Medical Radiotechnology / Aims and Scope.
Speaker on Behalf of Society: Assist. Prof. Dr. Huseyin Ozan TEKIN 16 October 2016 Seoul / SOUTH KOREA

10. Radiation Safety and Quality Standarts. Turkish Republic, Ministry of Health, 2nd Health Quality Audit Education Program. Trainer: Assist. Prof. Dr. Huseyin Ozan Tekin. 13 December 2016, Arkas Hotel. Antalya / TURKEY

11. Medical Radiation and Basis of Radiation Protection – 7th Bioengineering and Genetics Days. T.C. Uskudar University 3rd of May 2019. Istanbul TURKEY

22. SCIENTIFIC PUBLICATIONS

22.1. Scientific Books

1. Basic Principles and Techniques of Magnetic Resonance Imaging (MRI)
Editors: **Dr. Huseyin Ozan Tekin** & Murat Dündar
Authors: **Dr. Huseyin Ozan Tekin**, Öğr. Gör. Murat Dündar, Barış Cavlı, Ali Salar, Dr. Mustafa Cantay Gök.

Published: September – **2017** Publisher: Kongre Kitabevi
Language: TURKISH

2. X-Ray Imaging Techniques: All Methods / Basic Proinciples / Advanced Applications
Editor: **Dr. Huseyin Ozan Tekin**
Section Editors: Murat Dundar, Ali Salar, Baris Cavli, Ceren Ozturk
Published: September – **2018** Publisher: Kongre Kitabevi
Language: TURKISH

3. Smart Nanoconcretes and Cement-Based Materials – ELSEVIER. Copyright © **2020** Elsevier Inc. All rights reserved. Publisher: Matthew Deans Acquisition Editor: Simon Holt. Paperback ISBN: 9780128178546. **Chapter 19**: Radiation protection characteristics of nano-concretes against photon and neutron beams. Asghar Mesbahi, Elham Mansouri, Amir Ghasemi Jangjoo and **Huseyin Ozan Tekin**

4. Computed Tomography (CT): Imaging Techniques and Basic Principles.
Editor: **Prof. Huseyin Ozan Tekin**
Section Editors: Murat Dundar, Dr. Kaan Meric.
Published: **2024** Publisher: Kongre Kitabevi
Language: TURKISH

22.2. Publications in SCI / SCIexp Indexed – WoS & SCOPUS indexed Journals

A.1. I. Akkurt, K. Günoğlu, **H.O. Tekin**, Z.N. Demirci, G. Yegin, N. Demir. Estimation of Bremsstrahlung photon fulence from Aluminum by ANN. ***Iranian J. of Rad. Res*** – 2011 10 (1) pp. 63-65.

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A.4. U. Kara, **H.O. Tekin**, I. Akkurt. Radiation Protection in PET Room. ***Acta Physica Polonica A*** (2015) Vol:128 – No:2B. pp 375-377. doi:10.12693/APhysPolA. 128.B-375

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C53. B. Cavli, **H.O. Tekin**, U. Kara. An Overview of Radiological Educational Activities in Turkey and Contributions of Turkish Society of Medical Radiotechnology. 19th International Society of Radiographers and Radiological Technologists (ISRRT) World Congress. 20-22 October 2016 SEOUL / S. KOREA

C54. H.O. Tekin, U. Kara, B. Cavli. Application of Monte Carlo Method for Radiological Studies and Basic Principles. 19 th International Society of Radiographers and Radiological Technologists (ISRRT) World Congress. 20-22 October 2016 SEOUL / S. KOREA

C55. U. Kara, A. Kaya, **H.O. Tekin**. Adult Patient Radiation Doses with Multislice Computed Tomography Exam: MSCT Satandard Protocols. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2016) 19-24 October 2016. Kemer- Antalya Turkey

C56. A. Kaya, U. Kara, M. Yildiz, **H.O. Tekin**. Adult Patient Radiation Doses With PET/CT Exam. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2016) 19-24 October 2016. Kemer- Antalya TURKEY

C57. U. Kara, G. Gocmen, **H.O. Tekin**. Pediatric Radiation Doses with Multislice Computed Tomography Exam: Monte Carlo Simulation. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2016) 19-24 October 2016. Kemer- Antalya TURKEY

C58. V.P. Singh, M. Badiger, **H.O. Tekin**, U. Kara, H.R. Vega-Carrillo & M.A. Fernández Zenobio. Photon Absorption of Calcium Phosphate Based Teeth Biomaterials İn Diagnostic Radiology. XVİİ. International Symposium on Solid State Dosimetry. Santo Domingo, Dominican Republic. September26th to 30th,2017.

C59. H.O. Tekin, T. Manici, E.E. Altunsoy, T.T. Erguzel, B. Yilmaz, B. Cavli. Shielding Properties of Boron Carbide in Radiological Energy Range by Using Monte Carlo Method. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2017) 4-8 October 2017. Antalya TURKEY

C60. H.O. Tekin, V.P. Singh, İ. Akkurt. A Comparative Study on Shielding Properties Of Some Composite Materials By Mcnpx Code. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2017) 4-8 October 2017. Antalya TURKEY

C61. Erguzel T.T., **H.O. Tekin**. Principle Component Analysis for Dimensionality Reduction of Large Mass Spectrometry Imaging Data Sets. International Conference on Computational and Experimental Science and Engineering. (ICCESEN2017) 4-8 October 2017. Antalya TURKEY

C62. B. Guclu, E.E. Altunsoy, T. Manici, **H.O. Tekin**. Investigation of humeral locking plate system effect on absorbed dose in breast tissue with different radiological energies by using MCNPX. CARS 2018 Computer Assisted Radiology and Surgery. Berlin, Germany, June 20 - 23, 2018

C63. T. Manici, **H.O. Tekin**, İ. Akkurt, K. Gunoglu. Investigation of influencing factors on absorbeddose in thebreastusing MCNPX Monte Carlo Code. 13th Radiotechnology Congress and Training Seminars with International Participation of TMRT-Der (Turkish Association of Medical Radiotechnology). 23-26 April 2018. Kaya Artemis Hotel – CYPRUS.

C64. E.E. Altunsoy, **H.O. Tekin**, K. Gunoglu, I. Akkurt. Mass Attenuation Coefficients of Some Human Organs in Radiological Energy Ranges using MCNPX Monte Carlo Code. 13th Radiotechnology Congress and Training Seminars with İnternational Participation of TMRT-Der (Turkish Association of Medical Radiotechnology). 23-26 April 2018. Kaya Artemis Hotel – CYPRUS.

C65. H.O. Tekin, E.E. Altunsoy, F.C. Ozturk, M.I. Sayyed. A Comparative Study on Attenuation Properties of Some Composite Shielding Materials using MCNPX Code. Turkish Physical Society 34th International Physics Congress. September 05 – 09, 2018. Bodrum, Mugla – TURKEY.

C66. H.O. Tekin, E.E. Altunsoy, F.C. Ozturk, M.I. Sayyed. Gamma-Ray Attenuation Properties of Boron Carbide in Radiological Energy Range using MCNPX Code. Turkish Physical Society 34th International Physics Congress. September 05 – 09, 2018. Bodrum, Mugla – TURKEY.

C67. B. Cavli, **H.O. Tekin**, R.B. Pekar, S. Simsek, K. Katsari, A. Papachristodoulou, C. Parakevopoulou. Continuous education on radiation protection in PET/CT departments could lead to reduction of personnel radiation exposure. European Society of Radiology - European Congress of Radiology ESR2019, February 27 - March 3, 2019. Vienna, AUSTRIA.

C68. H.M. Karakas, B. Cavli, **H.O. Tekin**, R.B. Pekar, C. Ozturk, L. Demirci, Y. Bukte, K. Katsari. Computed tomography dose reference levels (DRLs) at various levels of hospitals in Istanbul: Secondary public, tertiary public, pediatric tertiary public, and university hospitals' experiences. European Society of Radiology - European Congress of Radiology ESR2019, February 27 - March 3, 2019. Vienna, AUSTRIA.

C69. H.M. Karakas, K. Katsari, R.B. Pekar, L. Demirci, C. Ozturk, F.E. Bahadir Ulger, A.N. Kahraman, **H.O. Tekin**, B. Cavli. How to become a high-performance dose excellence center: Current concepts and applications of modern dose management system in SBU Fatih Sultan Mehmet Training and Research Hospital. European Society of Radiology - European Congress of Radiology ESR2019, February 27 - March 3, 2019. Vienna, AUSTRIA.

C70. H.M. Karakas, B. Cavli, **H.O. Tekin**, R.B. Pekar, C. Ozturk, L. Demirci, U. Ozdamarlar, K. Katsari. Implementation of dose management system and evaluation of initial dose reference levels (DRLs) in a newly etablished Hospital: SBU Sehit Prof. Dr. İlhanVarank Sancaktepe Training and Research Hospital. European Society of Radiology - European Congress of Radiology ESR2019, February 27 - March 3, 2019. Vienna, **AUSTRIA.**

C70. Yusuf Cenk İltuş, Lidya Amon Susam, **H.O. Tekin**, Baki Akkuş, Gülfem Susoy Doğan, Fatma Çağla Öztürk. The Effect of MgO Change with Zno on Photon Transmıssıon Factor Usıng MCNP4C in B_2O_3 Glass-Ceramıc Systems. Turkish Physical Society 35th International Physics Congress, September 4-8 2019, Bodrum- **TURKEY**

C71. Hasipcan Aydın, Gülfem Süsoy Doğan, **H.O. Tekin**, Examination of Effective Atomic Number Change in S53P4 Bioactive Glass Systems Doped with Boron Oxide (B_2O_3), Turkish Physical Society 35th International Physics Congress, September 4-8, 2019, Bodrum- **TURKEY**

C72. Yusuf Cenk Iltuş, Lidya Amon Susam, **H.O. Tekin**, Baki Akkuş, Gülfem Susoy Doğan, Fatma Çağla Öztürk, Investıgation of The Effect of Changing MgO-ZnO ratio In B_2O_3 Glass-Ceramic Systems on Zeff Value, Turkish Physical Society 35th International Physics Congress, September 4-8 2019. Bodrum- **TURKEY**

C73. Hasipcan Aydın, Gülfem Süsoy Doğan, **H.O. Tekin**, The Calculation of the transmission Factor the S53P4 Bioactive Glass Systems, with the addition of Boron Oxide (B2O3) by using the MCNP-4C Code, Turkish Physical Society 35th International Physics Congress, September 4-8 2019, Bodrum- **TURKEY**

C74. A. Erol, G. S. Dogan, **H.O. Tekin**. Monte Carlo Prediction in Nuclear Physics, Turkish Physical Society 35th International Physics Congress, September 4-8, 2019, Bodrum- **TURKEY**

C75. H.O. Tekin, M.M. Abuzaid, W. Elshami, Bashar Issa. Glass materials and their utilization for radiation shielding applications. First Regional Virtual Symposium on Physics Advances 2020 – University of Bahrain. 28-29 June 2020, **BAHRAIN**.

C76. Gizem Ozturk, Baki Akkus, Ghada Almisned, Ayberk Yilmaz, Lidya Amon Susam, Hatice Yilmaz Alan, Gokhan Kilic, Erkan Ilik, Bahar Tuysuz, Sener Oktik, Omer Guler, **H.O. Tekin**. Investigation of some oxide compounds in glass synthesis on shielding properties for cosmic radiation through the OLTARIS program. Turkish Physical Society 39th International Physics Congress, August 31 – September 4, 2023, Bodrum/Turkey.

C77. Gokhan Kilic, Baki Akkus, Ghada Almisned, Ayberk Yilmaz, Lidya Amon Susam, Hatice Yilmaz Alan, Erkan Ilik, Gizem Ozturk, Bahar Tuysuz, Sener Oktik, Omer Guler, **H.O. Tekin**. Overview of critical material properties of glass in radiation shielding applications. Turkish Physical Society 39th International Physics Congress, August 31 – September 4, 2023, Bodrum/Turkey.

C78. Hatice Yilmaz Alan, Ayberk Yilmaz, **H.O. Tekin**, Ghada Almisned, Lidya Amon Susam, Baki Akkus, Gokhan Kilic, Erkan Ilik, Omer Guler, Sener Oktik, Gizem Ozturk, Bahar Tuysuz. Assessment of glass shielding for cosmic radiation and space applications using oltaris code. Turkish Physical Society 39th International Physics Congress, August 31 – September 4, 2023, Bodrum/Turkey.

C79. H.O. Tekin, Ghada Almisned, G. Kilic, Baki Akkus, Ayberk Yilmaz, Lidya Amon Susam, Hatice Yilmaz Alan, Erkan Ilik, Gizem Ozturk, Bahar Tuysuz, Sener Oktik, Omer Guler. A closer look at shielding applications of glasses for various purposes: A methodological review. Turkish Physical Society 39th International Physics Congress, August 31 – September 4, 2023, Bodrum/Turkey.

C80. Lidya Amon Susam, Baki Akkus, Ghada Almisned, Ayberk Yilmaz, Hatice Yilmaz Alan, Gokhan Kilic, Erkan Ilik, Gizem Ozturk, Bahar Tuysuz, Sener Oktik, Omer Guler, **H.O. Tekin**. Zinc-Tellurite glasses: A better understanding of their role in alpha-proton stopping applications: a comprehensive study. A methodological review. Turkish Physical Society 39th International Physics Congress, August 31 – September 4, 2023, Bodrum/Turkey.

C81. Omer Guler, **H.O. Tekin**, Hatice Yilmaz Alan, Ayberk Yilmaz, Ghada Almisned, Lidya Amon Susam, Baki Akkus, Gokhan Kilic, Erkan Ilik, Sener Oktik, Gizem Ozturk, Bahar Tuysuz. Application of high entropy alloys (heas) in nuclear reactor technology. Turkish Physical Society 39th International Physics Congress, August 31 – September 4, 2023, Bodrum/Turkey.

C82. Guldeniz Bulut, Baki Akkus, Lidya Amon Susam, Ayberk Yilmaz, Gizem Ozturk, Bahar Tuysuz, Ghada Almisned, Hatice Yilmaz Alan, Gokhan Kilic, Sener Oktik, Omer Guler, Erkan Ilik, **H.O. Tekin**. A Closer Look Into Heavy Metal Oxide (Hmo) Added Shielding Glasses. Turkish Physical Society 40th International Physics Congress, September 2 - 6, 2024, Bodrum/Turkey.

C83. Hessa Alkarrani, Ghada Almisned **H.O. Tekin**. Evaluation Of Heavy Metal-Reinforced Concrete for Enhanced Gamma and Neutron Shielding Efficiency. Turkish Physical Society 40th International Physics Congress, September 2 - 6, 2024, Bodrum/Turkey.

C84. Gizem Ozturk, Baki Akkus, H.O. Tekin, Omer Guler. Radiation Absorption Properties of Some Refractory High Entropy Alloys for Nuclear Technology Applications. Turkish Physical Society 40th International Physics Congress, September 2 - 6, 2024, Bodrum/Turkey.

C85. Ghada ALMisned, Omer Guler, Seval Hale Guler, Esra Kavaz, Iskender Ozkul, Oykum Basgoz, Huseyin Ozan Tekin. Synthesis and Characterization of Rare Earth-Enhanced FeCoNiCuZn High Entropy Alloys: A Study on Structural, Physical, and Radiation Transmission Properties for advanced nuclear applications. NuMat: The Nuclear Materials Conference 14–17 October 2024, **SINGAPORE.**

22.5. Extended Abstracts Published in National Congresses and Symposiums

D1. **Hüseyin Ozan TEKİN**, I. Akkurt, N. Demir. EGSnrc simulations for Bremsstahlung Photons. VIII. Workshop of Turkish Accelerator Center Project7–8 December 2009, Gazi University-ANKARA

D2. N. Demir, I. Akkurt **Hüseyin Ozan TEKİN**. Radiator Design works for Bremsstahlung facility at TAC VIII. Workshop of Turkish Accelerator Center Project7–8 December 2009, Gazi University-ANKARA

D3. I.Akkurt, N. Demir, **Hüseyin Ozan TEKİN**. Main equipments and the overall assessment of Bremsstahlung Facility. VIII. Workshop of Turkish Accelerator Center Project7–8 December 2009, Gazi University-ANKARA

D4. G. Yegin, I. Akkurt, M. Doğru, N. Demir, S. Şahin, **H.O. Tekin**, Z.N. Demirci. Simulation studies on Bremsstahlung Photon Beam. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University, ANKARA

D5. I. Akkurt, G. Yegin, M. Doğru, N. Demir, S. Şahin, **H.O. Tekin**, Z.N. Demirci. Bremsstahlung facility at TAC: Main equipments. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University, ANKARA

D6. N. Demir, I. Akkurt, G. Yegin, ,M. Dogru, S. Sahin, **H.O. Tekin**, Z.N. Demirci. Design studies of Collimator for TARLA Bremsstahlung facility. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University ANKARA

D7. **H.O. Tekin**, I. Akkurt, G. Yegin, M. Dogru, N. Demir S. Şahin, Z.N. Demirci. Photon Beam Dump design studies for Bremsstahlung Facility at TARLA. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University, ANKARA

D8. S. Şahin I. Akkurt, G. Yegin, M. Dogru, N. Demir, **H.O. Tekin**, Z.N. Demirci. Photon Beam Dump design studies for Bremsstahlung Facility at TARLA. IX. Workshop of Turkish Accelerator Center Project 3-5 December 2010, ANKARA University, ANKARA

D9. **H. O. Tekin**. Final Design of Bremsstrahlung Photon Beam Dump. X.Workshop of Turkish Accelerator Center Project 9-11 December 2011, ANKARA University, ANKARA

D10. **H. O. Tekin**. TARLA Determination of Detector Parameters for Bremsstrahlung Test Area. XI. Workshop of Turkish Accelerator Center Project 30 November-2 December 2012, Ankara University, ANKARA

22.6. Full Text Papers Published in National Congresses and Symposiums

E1. H. Durmuş, **H.O. Tekin**, U. Kara. An Overview of Mgb_2 Superconductors For MRI Applications" 8th National Radiology Technicians Congress ve MR Physics Course, Bildiriler Kitabi. 15-18 May2014, Kemer-Antalya, TURKEY

E2. **H.O. Tekin**, U. Kara, H. Durmuş, I. Akkurt. Monte Carlo Simulation and Application Areas for Detector Design in Medical imaging area. 8th National Radiology Technicians Congress ve MR Physics Course, Bildiriler Kitabi. 15-18 May 2014, Kemer-Antalya, TURKEY

E3. U. Kara, **H.O. Tekin**, H. Durmuş, I. Akkurt. Current Problems of Medical Imaging Program and Solution Proposals. 8th National Radiology Technicians Congress ve MR Physics Course, Bildiriler Kitabi. 15-18 May 2014, Kemer-Antalya, TURKEY

E4. **Hüseyin Ozan Tekin** et., al. Prediction of Photon Flux By using Artificial Neural Networks (Artifical Neural Networks). May-2011 IATS'2011 Elazig/Turkey

E5. **Hüseyin Ozan Tekin** et al., Bremsstrahlung Photon Production with Tantalum (Ta) Targetfor Different Thicknesses. 4 rd InternationalConferance Radiation interaction with Material and its use in Technologies, 2012, May 14-17, Kaunas-LITHUANIA

E6. **Hüseyin Ozan Tekin** et al., A Photon Beam Dump Design for Turkish Accelerator Center Project Bremss. Facility atTARLA.4 rd İnternationalConferance Radiation interaction with Material and its Use inTechnologies, 2012, May 14-17, Kaunas-LITHUANIA

E7. **Huseyin Ozan Tekin** et al., A Study on Radiation in Operating Room in Süleyman Demirel Universiy. 4 rd İnternational Conferance Radiation interaction with Material and its Use in Technologies, 2012, May 14-17, Kaunas-LITHUANIA

E8. **H.O. Tekin**, U. Kara, A. Mesbahi. An Overview of Monte Carlo (MC) Simulation Method and Basic Principles in Medical Radiation and Radiation detectors. International Science and Technology Conference (ISTEC2015). September 2-4, 2015 St. Petersburg /RUSSIA

E9. **H.O. Tekin**, I. Akkurt. Position Optimisation of Ge Detectors in Nuclear Resonance Fluorescence (NRF) Experiment by Using Monte Carlo Method. İnternational Science and Technology Conference (ISTEC2015), September 2-4, 2015 St. Petersburg /RUSSIA

E10. U. Kara, **H.O. Tekin**, I. Akkurt, A. Tongal. Monte Carlo Simulation Methods in Medical İmaging. İnternational Science and Technology Conference (ISTEC2015), September 2-4, 2015 St. Petersburg /RUSSIA

E11. U. Kara, **H.O. Tekin**, A. Tongal. Education in Medical Imaging Industry and Solution Proposals for Main Problems. International Science and Technology Conference (ISTEC2015), September 2-4, 2015, St. Petersburg /RUSSIA

E12. **Huseyin Ozan Tekin**, Umit Kara, Ozlem Ozturk, Tugba Manici, Elif Ebru Altunsoy, Baris Cavli. Comparison Study of Clinical Measurements and Monte Carlo Method On Radiation Dose Rate Changes By Distance in Computerized Tomography (Ct) Facility. Fourth International Conference on Radiation and Applications in Various Fields of Research May 23-27, 2016. Faculty of Electronic Engineering. Nis-SERBIA. Conference Proceedings Book. Vol.1 (2016) doi: 10.21175/RadProc.2016.32 ISSN 2466-4626 (Online)

E13. **Huseyin Ozan Tekin**, Umit Kara. Analyse of Filtering Material and Effect on X-Ray Features by using Monte Carlo Method for Medical Imaging Applications. Fourth İnternational Conference on Radiation and Applications in Various Fields of Research May 23-27, 2016. Faculty of Electronic Engineering, Nis-SERBIA. Conference Proceedings Book. Vol.1 (2016) doi: 10.21175/RadProc.2016.31. ISSN 2466-4626 (Online)

E14. Umit Kara, **Huseyin Ozan Tekin**. Estimated Radiation Risks, Clinical Factors and Patient Dose in Mammography. Fourth İnternationalConference on Radiation and Applications in Various Fields of Research May 23-27, 2016. Faculty of Electronic Engineering, Nis-SERBIA. Conference Proceedings Book. Vol.1 (2016) doi: 10.21175/RadProc.2016.46 ISSN 2466-4626 (Online)

23. International and National Media Attends (TV Programs)

F1. ÜLKE TV -Hayat Tercihtir (23.06.2013) - Speaker: Assist. Prof. Dr. Hüseyin Ozan TEKİN (https://www.youtube.com/watch?v=bs9b9_8qPtQ)

F2. ÜLKE TV -Hayat Tercihtir (11.07.2016)- Speaker: Assist. Prof. Dr. Hüseyin Ozan TEKİN

F3. Üskudar TV – Uskudar'a Gelirken (12.07.2016)- Speaker: Assist. Prof. Dr. Hüseyin Ozan TEKİN https://www.youtube.com/watch?v=Rk7CirJ8nHk&feature=youtu.be

F4. ÜLKE TV -Hayat Tercihtir (05.08.2018) Speaker: Assoc. Prof. Dr. Huseyin Ozan TEKİN https://www.youtube.com/watch?v=xs6EKTM8aXU

F5. ULKE TV – Artifical Network and Simulation Applications in Health - Bilimden Sagliga (14.09.2019) Speaker **Assoc. Prof. Dr. Huseyin Ozan TEKİN** / Assoc. Prof. Dr. Turker Tekin Erguzel. https://www.youtube.com/watch?v=ZUoM3QCt2Nc&t=379s

24. Academic Experience

G1. Lecturer – Süleyman Demirel University (June 2009- January 2013) (TOTAL:4 YEARS)
Lectures – Math, Physicsi-ii, Geometric Optic and Optic, Basic Computer Programming, Material information

G2. Researcher – Helmholtz Zentrum Dresden Rossendorf (HZDR) Year:2009
Attended: Various Particle Accelerator Experiments and Monte Carlo Workshops on GEANT4 code.
G3. Lecturer – İAU Vocational School of Health Services (February 2013 – 2015)(TOTAL:2 YEARS) Given Lectures: Medical İmaging Methods, Medical İmaging Physics, Radiation Protection, Radiobiology, Nuclear Medicin, İntroduction to Radiotherapy

G4. Assist. Prof. Dr. – UskudarUniversity (January-2015- June 2018) (TOTAL:3.5 YEARS)
Given Lectures: Medical İmaging Methods, Medical İmaging Physics, Radiation Protection, Radiobiology, Nuclear Medicin, Introduction to Radiotherapy

G5. Assoc. Prof. Dr. – UskudarUniversity (June-2018- January-2020) (TOTAL:2 YEARS)
Given Lectures: Medical İmaging Methods, Medical Imaging Physics, Radiation Protection, Radiobiology, Nuclear Medicin, Introduction to Radiotherapy

G6. Assoc. Prof. Dr. – University of Sharjah, United Arab Emirates (UAE) (January-2020- June 2023)

G7. Professor (Full) – University of Sharjah, United Arab Emirates (UAE) (June-2023- Present…)

25. Research Activities

1. Uskudar University Medical Radiation Research and Application Center (ÜSMERA), Monte Carlo Simulation Techniques in Medical and Nuclear Applications (MENUS-MC), Establisher and Educator. UskudarUniversity (2015-present)
*Level-1 (Beginning)
*Level-2 (Intermediate)
*Level-3 (Advanced)
*Level-4 (ProUser)

*Advanced applications and current approaches to diagnostic radiology Radiation Protection and Quality Assurance in Education TARAD 2015 (19- 20 December 2015)
*Basic Radiotherapy and Radiotherapy Physics Education Workshop (TRRF2016). 23-24 April 2016. UskudarUniversity, CarsiCampus.

2. Scientific Advisor of Virtual Medical Coaching
http://www.virtualmedicalcoaching.com/tr/contact-us/
http://www.virtualmedicalcoaching.com/
(2016 – Present)

26. Master and Ph.D. Supervisions

1. Duygu Sen – 2018 / 2021
Ph.D. Thesis – Supervisor
Title: Investigation of the effect of different chemical additives on glass shield materials that can be used in radiology units by using Monte Carlo method

Thesis Number as per YOK (Council of Higher Education – Turkey): **705179**
(https://tez.yok.gov.tr/)

2. Diler Ozyurt – 2015 / 2017
MSc. Thesis – Supervisor
Title: The relationship between the depresion and professional knowledge level of radiology technicians
Thesis Number as per YOK (Council of Higher Education – Turkey): **485476**
(https://tez.yok.gov.tr/)

3. Sema Aritürk – 2015 / 2017
MSc. Thesis – Supervisor
Title: Relationship between radiotherapy techniques and vocational level and working conditions and depression

Thesis Number as per YOK (Council of Higher Education – Turkey): **485494**
(https://tez.yok.gov.tr/)

4. Fatih Emre TUTARLI – 2017 / 2018
Title: The relationship between the depression and professional knowledge level of nuclear medicine technicians
MSc. Thesis – Supervisor
Thesis Number as per YOK (Council of Higher Education – Turkey): **513249**
(https://tez.yok.gov.tr/)

5. Yusuf Cenk Iltus – 2018 / 2020
Title: Investigation of gamma and neutron shielding properties of amorphous materials by Monte Carlo method
MSc. Thesis – Supervisor
Thesis Number as per YOK (Council of Higher Education – Turkey): **608042**
(https://tez.yok.gov.tr/)

6. Hasipcan Aydin - 2018 / 2020
MSc. Thesis – Supervisor
Title: Investigation of gamma and neutron attenuation properties of different amorphous structures with bioactive properties by Monte Carlo method
Thesis Number as per YOK (Council of Higher Education – Turkey): **608048**
(https://tez.yok.gov.tr/)

7. Murat Kalyon 2017-2019
MSc. Thesis – Supervisor
Title: Investigation of Different Concretes Used In The Spinning of Radiation Units With Radiation Safety And Occupational Health And Safety
Thesis Number as per YOK (Council of Higher Education – Turkey): **549300**
(https://tez.yok.gov.tr/)

8. Bahar Tuysuz -2022 / 2024
MSc. Thesis – Co-Supervisor
Title: The Interaction Properties of Gamma And Neutron Radiation with Some Inconel Alloys In Nuclear Energy Applications
Istanbul University, Turkey

9. Gizem Ozturk -2022 / 2024
MSc. Thesis – Co-Supervisor
Title: Investigation of Radiation Absorption Properties of Some Refractory High Entropy Alloys to be Used in Nuclear Technology
Istanbul University, Turkey

25. International Member of the Board of Examiners for adjudicating the Ph.D. theses

1. Effect of vanadium, gamma and ion beam induced modifications in alkali borate glasses. DOCTOR OF PHILOSOPHY IN PHYSICS By KARTHIKA S. under the Guidance of Dr. P. MEENA (Principal) (2024). DEPARTMENT OF PHYSICS PSGR KRISHNAMMAL COLLEGE FOR WOMEN. Bharathiar University, Tamilnadu, **INDIA**.

International Member of the Board of Examiners: Prof. Huseyin Ozan TEKIN

26. Research projects under supervisory - BSc Level

1. The Radiation Risk Assessment of Patients from most frequent Diagnostic Nuclear Medicine examinations: A Monte Carlo simulation study.
- Ashalul Hussein Mohamud
- Fatima Amin Younis A. B. Aloghani
- Waad Tageldin Abdalla Alhussein

University of Sharjah, College of Health Sciences, MDI Department.
BSc. Research Project.
Academic Year: 2019-2020

2. An Investigation on performance of Novel Shielding Materials against Ionizing Radiation in Nuclear Medicine Energy Range
- Dalal Mahmood Hasan Abdulla
- Zuhal Hashim Alziber Sideig
- Elaf Ali S Rabaa
- Albandari Ali M. Almatar

University of Sharjah, College of Health Sciences, MDI Department.

BSc. Research Project.
Academic Year: 2019-2020

3. Nuclear Radiation Shielding properties of Er+3 and Sm+3 Doped Zinc Borate Glasses: A focusing research on suitability for diagnostic radiology facilities

- Abdallah Jawdat Ata Zamil
- Dalia Mohammad Khoucheich
- Ghaida Bilal Lubna Al-Sammarraie
- Lubna Al Samarrie

University of Sharjah, College of Health Sciences, MDI Department.
BSc. Research Project.
Academic Year: 2020-2021

4. The use of Artificial Intelligence (AI) for radiation risk assessment in Abdominal CT scan

- Aya Sami Alhabashi
- Rumaisa Fareed Siddiqi
- Zahra Abbas Sumar

University of Sharjah, College of Health Sciences, MDI Department.
BSc. Research Project.
Academic Year: 2020-2021

5. Artificial Intelligence (AI) techniques applied to dose reduction chest CT scan

- Maryam Ameer Eid
- Hamda Mubarak Al-Dukhan
- Fatemah Taleb Ali
- Nahid Mohammad

University of Sharjah, College of Health Sciences, MDI Department.
BSc. Research Project.
Academic Year: 2020-2021

6. The use of Artificial Intelligence (AI) for radiation risk assessment in Abdominal CT scan

- Dhabyeh Ahmed Al-Ali
- Melika Bankipour Fard
- Safa Zeinal Dastras
- Sedigheh Mohammad Aziz

University of Sharjah, College of Health Sciences, MDI Department.
BSc. Research Project.
Academic Year: 2021-2022

7. PET/CT Imaging: A Comprehensive Review of Clinical Applications

- Hessa Arif Alkarrani
- Amina Hassan Aldhuhoori
- Kawtar Fadhel Ebrahim

University of Sharjah, College of Health Sciences, MDI Department. BSc. Research Project.
Academic Year: 2022-2023

8. PET/MR IMAGING: A review of clinical applications

- Zainab Abdulmonem Zuhair
- Rima Khalid Alyousif
- Manar Jaffar Sarhan

University of Sharjah, College of Health Sciences, MDI Department. BSc. Research Project.
Academic Year: 2022-2023

9. A comprehensive guidance for the daily nuclear medicine applications

- Manal Ebrahim Aqeel
- Fatima Adel Yagoub
- Eman Adnan Al Swedani

University of Sharjah, College of Health Sciences, MDI Department. BSc. Research Project. Academic Year: 2023-2024

27. Paper reviews in SCOPUS, SCI & SCI-exp and other indexed Journals

- Progress in Nuclear Energy - Elsevier
- Journal of Modern Physics
- Applied Radiation and Isotopes – Elsevier
- Arabian Journal of Geosciences – Springer
- Results in Physics – Elsevier
- Journal of Environmental Radioactivity – Elsevier
- Nuclear Science and Techniques – Springer
- Journal of Testing and Evaluation – ASTM International
- Journal of Physics and Chemistry of Solids - Elsevier
- Nuclear Engineering and Technology (NET) Journal – Elsevier
- Radiochemica ACTA – De Gruyter
- Materials Research Express – IOP Science
- Radiation Physics and Chemistry – Elsevier
- Solid State Sciences – Elsevier
- Journal of Non-Crystalline Solids – Elsevier
- Ceramics International – Elsevier
- X-ray Spectrometry – Wiley
- Journal of Inorganic and Organometallic Polymers and Materials - Springer
- Materials Chemistry and Physics – Elsevier
- Journal of Materials Science: Materials in Electronics - Springer
- Science and Technology of Nuclear Installations – Wiley
- Advanced Engineering Materials – Elsevier
- Materials Advances – Royal Society of Chemistry
- Industrial Crops and Products - Elsevier
- Nuclear Inst. and Methods in Physics Research, A – Elsevier
- Open Physics - De Gruyter

Given Courses in last 10 years

Lecture Name	Department	University
Advanced Physics and Instrumentation of Ultrasound Imaging	Medical Imaging Department (Master-MSc. Level Course)	*University of Sharjah*, ***UAE***
Nuclear Medicine	Medical Imaging Department	*University of Sharjah*, ***UAE***
Introduction to Radiology	Medical Imaging Department	*University of Sharjah*, ***UAE***
Research Project	Medical Imaging Department	*University of Sharjah*, ***UAE***
Digital Imaging	Medical Imaging Department	*University of Sharjah*, ***UAE***
Digital Imaging-LABORATORY	Medical Imaging Department	*University of Sharjah*, ***UAE***
Introduction to Research	Medical Imaging Department	*University of Sharjah*, ***UAE***
Medical Imaging Physics	Medical Imaging Department	*Uskudar University*, ***TR***
Medical Imaging Methods-I	Medical Imaging Department	*Uskudar University*, ***TR***
Medical Imaging Methods-II	Medical Imaging Department	*Uskudar University*, ***TR***
Nuclear Medicine	Medical Imaging Department	*Uskudar University*, ***TR***
Basics of Radiotherapy	Radiotherapy Department	*Uskudar University*, ***TR***
Radiobiology	Radiotherapy Department	*Uskudar University*, ***TR***
Nuclear Physics	Engineering and Natural Sciences	*Uskudar University*, ***TR***
Basics of Radiology	Audiology Department	*Uskudar University*, ***TR***
Radiation Safety and Protection	Medical Imaging Department	*Uskudar University*, ***TR***
Radiation Protection	Medical Imaging Department	*Istanbul Aydin University*, ***TR***
Physics I – II	Computer Engineering Department.	*Suleyman Demirel University*, ***TR***
Math I – II	Computer Engineering Department	*Suleyman Demirel University*, ***TR***